

Materials List for:

Preparing T Cell Growth Factor from Rat Splenocytes

Christine Beeton, K. George Chandy

1

Correspondence to: K. George Chandy at gchandy@uci.edu

URL: <http://www.jove.com/video/1290>

DOI: [doi:10.3791/1290](https://doi.org/10.3791/1290)

Materials

Name	Type	Company	Catalog Number	Comments
PBS, 1x, sterile	Reagent	GIBCO, by Life Technologies	14040-182	
Penicillin / Streptomycin 100x	Reagent	Sigma-Aldrich	P0781	Add 5 ml of 100x solution to 500 ml PBS to prepare PBS-PS
Cell strainer, 70 um diameter	Tool	Fisher Scientific	08-771-2	
Ammonium Chloride (NH ₄ Cl)	Reagent	Sigma-Aldrich	A0171	Prepare a 0.15 M solution in sterile distilled water, keep cold
RPMI 1640	Reagent	GIBCO, by Life Technologies	21870-092	
Fetal Bovine Serum (FCS, FBS)	Reagent	GIBCO, by Life Technologies	16140-071	Heat-inactivated
Penicillin / Streptomycin / L-Glutamine	Reagent	Cambrex/BioWhittaker	17-718R	PSG
RPMI vitamins, 100x	Reagent	Sigma-Aldrich	R7256	
Sodium pyruvate, 100x	Reagent	Sigma-Aldrich	S8636	
Non-essential amino acids, 100x	Reagent	Sigma-Aldrich		
Beta-mercapt-ethanol	Reagent	Sigma-Aldrich	M7522	
alpha methyl mannoside	Reagent	Sigma-Aldrich	M6882	
Concanavalin A	Reagent	Sigma-Aldrich	M6882	
To prepare complete culture medium add the following to a 500 ml bottle of RPMI 1640 and sterile-filter: 10% FCS; 1 bottle of PSG; 5 ml RPMI vitamins; 5 ml sodium pyruvate; 5 ml non-essential amino acids; 50 uM beta-mercapt-ethanol; 2 ug/ml Concanavalin A.				